Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/02/2021 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125133	0	1.39	124991	1.36
Blue	F	SSC	125000	123860	-1	3.05	124018	2.80
Blue	E	FITC	13131	12754	-3	2.33	293	15.68
Blue	D	PE	24112	23977	-1	1.72	549	10.67
Blue	B	PerCP-Cy5-5	31295	30913	-2	3.08	1031	14.42
Blue	A	PE-Cy7	19939	19728	-2	5.35	533	28.63
Red	C	APC	42122	41845	-1	3.16	1752	11.22
Red	A	APC-Cy7	22340	21788	-3	3.51	837	11.64
Violet	B	V450	7410	7255	-3	4.27	448	12.62
Violet	A	V500	28118	27478	-3	3.95	687	9.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23241	0.98	564	-5	N/A	N/A	Pass
Blue	F	SSC	57672	1.23	515	3	N/A	N/A	Pass
Blue	E	FITC	55	57.02	484	-3	0.0450	267	Pass
Blue	D	PE	115	37.97	487	-1	0.4819	416	Pass
Blue	B	PerCP-Cy5-5	192	34.88	583	-3	0.0199	39	Pass
Blue	A	PE-Cy7	107	66.33	625	-3	0.0225	0	Pass
Red	C	APC	405	23.60	576	0	0.0296	203	Pass
Red	A	APC-Cy7	189	26.61	549	-2	0.0061	835	Pass
Violet	B	V450	63	59.30	454	1	0.0540	1754	Pass
Violet	A	V500	98	31.88	465	0	0.0270	567	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.17	-31.56	1.06
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.41
Red	16.95	13.60 - 20.40	N/A	N/A	29.98	30.14	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9727

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments